# IN THE UNITED STATES
# PATENT AND TRADEMARK OFFICE

## Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitle **System And Method For Automatic Verification Of The Understandability Of Speech**, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119(a-d) or 365(a-b) of PCT or foreign application(s) for patent or inventors' certificate listed below or priority benefits under 119(e) of any United States provisional application(s) listed below and have also identified below any foreign application for patent or inventors' certificate having a filing date before that of the application on which priority is claimed:

**None**

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, we acknowledge the duty to disclose all information known to us to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

**None**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:
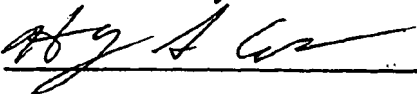
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I also appoint the practitioners of Customer Number 23, 838 (Kenyon & Kenyon) as associate attorneys, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

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estimate of intelligibility for the user's message may be calculated and compared to an intelligibility threshold to determine whether the calculated estimate of intelligibility is below the intelligibility threshold. If any of the measured speech level, measured signal-to-noise ratio and calculated estimate of intelligibility of the user's message are determined to be below their respective thresholds, the user may be prompted to repeat at least a portion of the message.

## BRIEF DESCRIPTION OF THE DRAWINGS

[0006] Embodiments of the present invention are illustrated by way of example, and not limitation, in the accompanying figures in which like references denote similar elements, and in which:

[0007] FIG. 1 is a block diagram of a speech verification system in accordance with an embodiment of the present invention;

[0008] FIG. 2 illustrates a block diagram of a speech verification device in accordance with an embodiment of the present invention; and

[0009] FIG. 3 is flowchart showing a speech verification method in accordance with an exemplary embodiment of the present invention.

## DETAILED DESCRIPTION

[0010] FIG. 1 is a block diagram of a speech verification system 100 according to an exemplary embodiment of the present invention. The speech verification system 100 may include an automatic speech verification device (SVD) 150 in accordance with an embodiment of the present invention.

[0011] The SVD 150 may monitor, in real time, a message received from a user for various characteristics of the user's message to verify that the message will be sufficiently intelligible when played back and/or processed by a human and/or a machine. For example, the SVD 150 may determine whether there is